

Converting Colors

XYZ(60.3851, 83.7992, 31.8432)

Have a look what the booklet for
XYZ(60.3851, 83.7992, 31.8432)
contains.

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Color

**XYZ(60.3214, 83.7689,
31.7286)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF77B</code>
RGB	189, 255, 123
RGB Percent	74%, 100%, 48%
CMY	0.2588, 0.0000, 0.5176
CMYK	0.26, 0.00, 0.52, 0.00
HSL	90°, 100%, 74%
HSV	90°, 52%, 100%
XYZ	60.3214, 83.7689, 31.7286
YIQ	220.2180, 3.0360, -55.0440

Conversions

Conversions Part 2

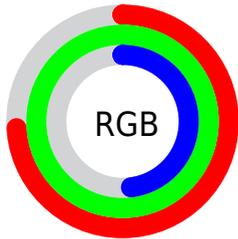
Format	Color
RYB	123, 255, 189
Decimal	12451707
CIELab	93.35, -41.65, 55.94
CIELCh	93, 69.744, 126.672
Yxy	83.7689, 0.3431, 0.4764
Android (android.graphics.Color)	4290641787 (0xFFBDF7B)
YUV	220.2180, -47.9285, -27.3782
Hunter-Lab	91.5254, -42.5258, 43.5140

Details

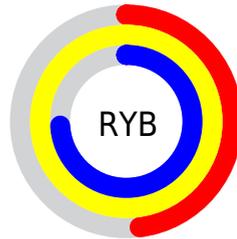
The XYZ color **60.3214, 83.7689, 31.7286** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **46.1206, 32.2061, 98.3933**, and the grayscale version is **68.5023, 72.0697, 78.4839**.

A 20% lighter version of the original color is **82.5073, 94.6908, 56.0480**, and **30.7840, 45.7234, 12.8332** is the 20% darker color. If you saturate the color by 10%, you get **55.9022, 81.6517, 24.2468**, and if you desaturate by 10%, it is **65.4349, 86.1959, 41.4151**.

Distribution



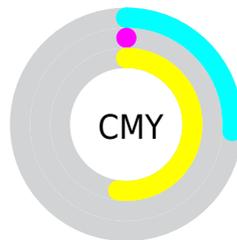
- Red (74%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (74%)



- Cyan (26%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.3214, 83.7689, 31.7286 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 60.3214, 83.7689, 31.7286 by changing the saturation by 10% instead.

 60.3214, 83.7689,
31.7286

 60.3214, 83.7689,
31.7286

415.5972,
507.5455, 324.3356

 43.9282, 62.8247,
20.8912

 104.3995,
138.6519, 63.4783

 30.8117, 45.6994,
12.8540

 132.8150,
173.3594, 85.2277

 20.6067, 32.0087,
7.1986

 165.9687,
213.4234, 111.4515

 12.9476, 21.3681,
3.5063

204.2260,
259.2284, 142.5683

 7.4692, 13.3933,
1.3586

247.9521,
311.1587, 178.9965

 3.8062, 7.7000,
0.1091

297.5124,

 1.5931, 3.9036,

369.5987, 221.1548

0.0000

353.2723,
434.9328, 269.4617

■ 0.3879, 1.6198,
0.0000

■ 0.0000, 0.3709,
0.0000

■ 60.3214, 83.7689,
31.7286

■ 60.3214, 83.7689,
31.7286

■ 55.9022, 81.6517,
24.2468

■ 65.4349, 86.1959,
41.4151

■ 52.1365, 79.8273,
18.7918

■ 71.2782, 88.9477,
53.4581

■ 48.9791, 78.2766,
15.1645

■ 77.8852, 92.0387,
68.0002

■ 46.3764, 76.9773,
13.1235

■ 85.2867, 95.4819,
85.1715

■ 44.5865, 76.0702,
12.3331

■ 93.5121, 99.2898,
105.0933

95.0500, 100.0000,
108.9000

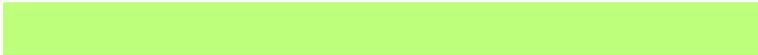
Harmonies

Analogous

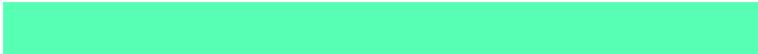
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5834, 83.7689, 23.0878



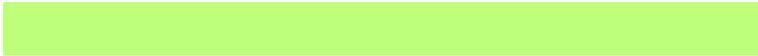
60.3214, 83.7689, 31.7286



51.3748, 83.7689, 56.7114

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.3214, 83.7689, 31.7286



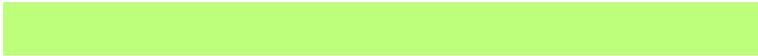
66.4278, 83.7689, 219.3082



120.1370, 83.7689, 79.9473

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



60.3214, 83.7689, 31.7286



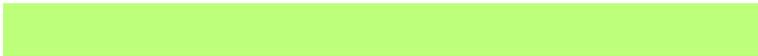
46.1206, 32.2061, 98.3933

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.6846, 83.7689, 137.4524



60.3214, 83.7689, 31.7286



83.7974, 83.7689, 233.2127

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



60.3214, 83.7689, 31.7286



54.5027, 83.7689, 166.0047



102.6492, 83.7689, 198.8698



111.4660, 83.7689, 43.1285

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.3214, 83.7689, 31.7286



49.2907, 83.7689, 85.4594



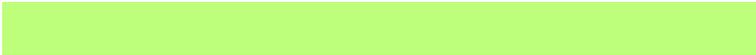
102.6492, 83.7689, 198.8698



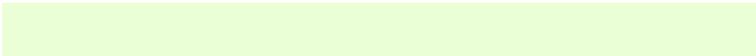
120.3737, 83.7689, 97.2131

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



60.3216, 83.7690, 31.7298



82.0520, 93.9793, 77.5676



63.0134, 59.0861, 26.8237



17.2374, 19.9642, 15.8494



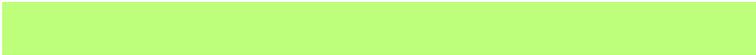
0.0000, 0.0000, 0.0000



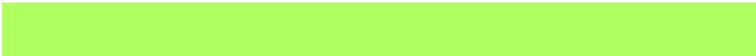
20.3446, 21.4041, 23.3091

Same Dimension

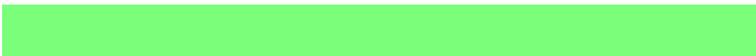
The Same Dimension uses a secret algorithm to generate beautiful new colors.



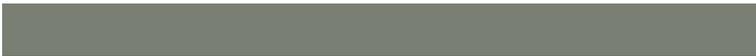
60.3216, 83.7690, 31.7298



55.8057, 81.6052, 24.0949



47.5043, 77.1614, 31.1300



18.6369, 20.6143, 19.1410



23.4696, 39.8371, 6.4524



2.4111, 3.9437, 0.6341

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



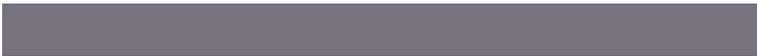
46.1206, 32.2061, 98.3933



40.2092, 24.9755, 97.3092



66.3734, 42.6468, 99.3411



17.8684, 17.8239, 22.7485



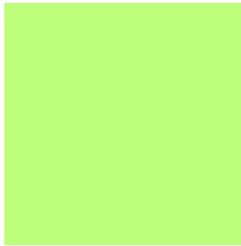
14.2163, 6.2393, 49.8896



1.5101, 0.6724, 4.8635

Previews

White Background



This preview shows how the XYZ color 60.3214, 83.7689, 31.7286 looks on a white background.

Color Contrast Check

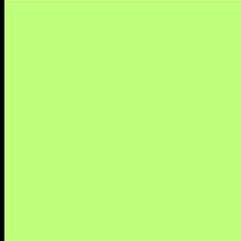
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 60.3214, 83.7689, 31.7286 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.3214, 83.7689, 31.7286

Background



This preview shows how black text looks on a background with the XYZ color 60.3214, 83.7689, 31.7286.

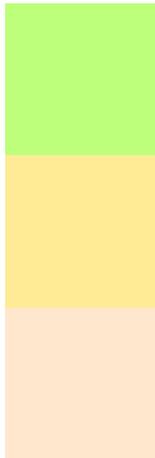


This preview shows how white text looks on a background with the XYZ color 60.3214, 83.7689,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

60.3214, 83.7689, 31.7286

Protanopia

76.4534, 82.8787, 40.8218

Deuteranopia

80.8354, 82.8196, 69.4829



Tritanopia

76.6481, 83.2491, 106.6366

Trichromacy



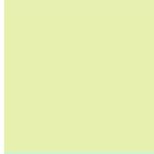
Original Color

60.3214, 83.7689, 31.7286



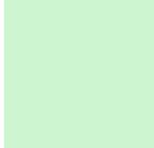
Protanomaly

69.4408, 82.3866, 37.0532



Deuteranomaly

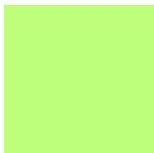
71.8529, 82.4042, 52.6760



Tritanomaly

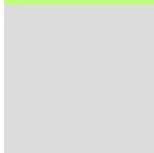
69.0917, 82.7889, 71.3698

Monochromacy



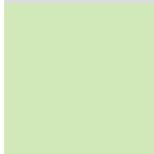
Original Color

60.3214, 83.7689, 31.7286



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.1904, 75.3359, 57.0570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3214, 83.7689, 31.7286 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(189, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 123)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(189, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 123) }
```

Border

The CSS property to change the border of an element to XYZ 60.3214, 83.7689, 31.7286 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 255, 123) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(189, 255, 123) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(189, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3214, 83.7689, 31.7286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 123) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(189,  
255, 123) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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